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To the SMA
Attn: Herr Boleuch
Concerning the DWK

3 March 1949

Berlin-Karlshorst

Tl-Prof. Sedl/Bo

Our manganese situation has become so bad that steel production is seriously endangered if a basic change in the manganese industry is not made. Since no significant quantities of high-percent manganese slags or manganese ores are on hand, it would be preferable in any case to draw from Russia 70 % blast-furnace ferro-manganese rather than to import from there steely iron, which we can process just as well here. Of course, we would also reach our goal with high-percent manganese ores. For the Marxhütte, however, it is more profitable to produce 4 to 7 % specular iron and 2 to 4 % steely iron, since these products can be made from domestic manganese beams, and, moreover, the output of the blast furnace plan would be higher with this special iron than with the 20 % specular iron. Our manganese needs per month would be as follows:

Alternate case	A	or	B	A	or	B	A	or	B
6666666									
Specular iron 4 - 7 %	100 t		280 t				100 t		280 t
Specular iron 20 %	300			70 t			370		
Ferro-manganese 70 %			120		20 t				140 t
Ferro-manganese 80 %				20	20		20	20	

Case A applies if we don't receive any ferro-manganese from Russia; Case B, if we do receive ferro-manganese from Russia. Accordingly, in Case A the Thomas steel works would have to have at its disposal 100 tons of 4 to 7 % specular iron and 300 tons of 20 % specular iron from our own production. In addition the electro-steel works would need 70 tons of 20 % specular iron, so that the total is

100 tons specular iron 4 - 7 %
370 tons specular iron 20 %

for which foreign manganese beams must be imported.

Case B depends on our receiving blast-furnace ferro-manganese from Russia. In this case, we would need for the Thomas works 280 tons 4 - 7 % specular iron from our own production and 120 tons 70 % ferro-manganese from Russian deliveries. To this should be added for the electro-steel works 20 tons of 70 % ferro-manganese from Russian deliveries and at

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least 20 tons of refined ferro-manganese from Lippendorf, so that in all

280 tons specular iron 4 - 7 %
140 tons ferro-manganese 70 %
20 tons refined ferro-manganese

will be needed.

In contrast to Case A, the Thomas works would need, in Case B, 280 tons of low-percent specular iron for deoxidation purposes and 70 % ferro-manganese for alloying purposes. In Case A it is inversed because

method of working is not feasible on account of the lowering of the temperature

iron and steel pig is produced most economically in our blast furnaces, while 140 tons a month of 70 % ferro-manganese could be drawn from Russia. For the sake of quality and conservation of coke, we request the administrations to arrange for us to work toward this mutually beneficial solution.

VEB Maxhütte
(signed) Professor Sedlacek

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H-2400

Berlin, 7 March 1949
Wo/B8MemorandumTo Dr. KraemerSubject: Production of Specular Iron with 16 - 18 % Manganese

In consultation with Mr. Wiefel of Maxhütte, it was decided that with the manganese ~~ores~~ existing in the East Zone about 1,900 tons of specular iron with 16 - 18 % manganese can be produced in addition to the possible production of 2,000 tons of specular iron with 6 % manganese. For this the following are necessary and on hand:

Slovakian manganese ore	200 tons	18 % manganese
Manganese slag from Eula	1500 tons	20 - 25 % manganese
Manganese slag from Lippendorf	200 tons	8 % manganese
Ore from Elbingerode	900 tons	6 - 7 % manganese
"Mommelerz" (some kind of ore)	2000 tons	4.6 % manganese

To this should be added slags, "Röstbraun", and iron scraps.
The Slovakian manganese ores must first be released by the SMA.
The release has been proposed.

(signed) Wolf